

# PerCP/Cyanine5.5 Rabbit anti-Mouse CD4 mAb

Catalog No.: A27222

## Basic Information

### Observed MW

### Calculated MW

51kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC64069-PerCP-Cy5.5

### Conjugate

PerCP-Cy5.5. Ex:482nm. Em:695nm.

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Background

Predicted to enable several functions, including interleukin-16 binding activity; interleukin-16 receptor activity; and protein homodimerization activity. Involved in helper T cell enhancement of adaptive immune response. Acts upstream of or within several processes, including defense response to Gram-negative bacterium; positive regulation of calcium-mediated signaling; and positive regulation of peptidyl-tyrosine phosphorylation. Located in endoplasmic reticulum; external side of plasma membrane; and membrane raft. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system; and liver and biliary system. Used to study type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in immunodeficiency 79. Orthologous to human CD4 (CD4 molecule).

## Immunogen Information

### Gene ID

12504

### Swiss Prot

P06332

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 27-394 of mouse CD4 (NP\_038516.1).

### Synonyms

L3T4; Ly-4

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

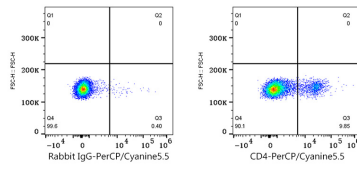
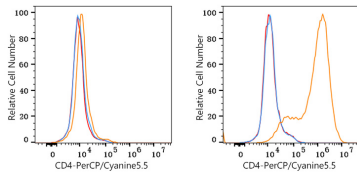
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  293T cells (negative control, left) and 293T (Transfection, right) cells were surface-stained with PerCP/Cyanine5.5 Rabbit anti-Mouse CD4 mAb (A27222, 5  $\mu$ l/Test, orange line) or PerCP/Cyanine5.5 Rabbit IgG isotype control (A25620, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes were surface-stained with PerCP/Cyanine5.5 Rabbit IgG isotype control (A25620, 5  $\mu$ l/Test, left) or PerCP/Cyanine5.5 Rabbit anti-Mouse CD4 mAb (A27222, 5  $\mu$ l/Test, right).